

## ABSTRACT OF THE DISCLOSURE

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5 In accordance with a first aspect of the present invention, a user interface is provisioned by a client device determining a next display state of the user interface, and the next instantiation of the user interface is provisioned in accordance with one or more display state definitions corresponding the determined display state, specifying constituting contents of the user interface for the determined display state. In one embodiment, each of the one or more display state definitions includes

10 display state transition rules for various user interactions with the user interface. In accordance with a second aspect of the present invention, a user interface is provisioned by a client device by generating a first portion of a first instantiation of the user interface in accordance with a display cell definition specifying constituting contents of a display cell, and generating a second portion of a second instantiation

15 of the user interface in accordance with the display cell definition, also specifying constituting contents of the second display cell for the second instantiation of the user interface. That is, a display cell definition may specify a display cell for multiple display states. In one embodiment, the display states are multi-dimensional. Further, in one embodiment, the display state transition rules are specified at the

20 display cell level. In one embodiment, a display cell may also inherit constituting contents from another display cell. A display cell may even be a pseudo display cell.